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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/619,343	07/14/2003	Anthony L. Schiavo JR.	2003P07539US	6789
. 7	590 01/12/2005		EXAMINER	
Siemens Corp	oration		· WHITE, D	WAYNE J
	perty Department		T	
170 Wood Avenue South			ART UNIT	PAPER NUMBER
Iselin, NJ 08830			3745	
			DATE MAILED: 01/12/2009	ς .

Please find below and/or attached an Office communication concerning this application or proceeding.

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Office Action Summary		Application No.	Applicant(s)			
		10/619,343	SCHIAVO, ANTHONY L.			
		Examiner	Art Unit			
		Dwayne J White	3745			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM: THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status						
1)[🛛	Responsive to communication(s) filed on 15 Ju	<u>ıly 2003</u> .				
2a)□	This action is FINAL . 2b)⊠ This					
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposit	ion of Claims					
4) ☐ Claim(s) 1-20 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1,2,4-6,11-13,19 and 20 is/are rejected. 7) ☐ Claim(s) 3,7,8,9,10,14,15,16,17,18 is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or election requirement.						
Applicat	ion Papers					
9) The specification is objected to by the Examiner.						
10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
2) Notice	t(s) te of References Cited (PTO-892) te of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) or No(s)/Mail Date 20030715.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:				

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DETAILED ACTION

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 19 and 20 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 19 recites the limitation "the third plate" in line 1. There is insufficient antecedent basis for this limitation in the claim.

Claim 20 recites the limitation "at least one core print opening in the air foil landing" in lines 2-3. There is insufficient antecedent basis for this limitation in the claim.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1, 2, 4, 11 and 13 are rejected under 35 U.S.C. 102(b) as being anticipated by Tomita et al. (6,142,730). Tomita et al. disclose a turbine vane assembly comprising: a turbine vane having first 1 and second 21 shrouds with an elongated airfoil extending between, each end of the airfoil transitioning into a shroud at a respective junction, each of the shrouds having a plurality of cooling passages, the airfoil having a plurality of cooling passages extending

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between the first and second shrouds (See Figure 1), and a substantially flat inner gauge plate 8/25 and an outer plate 3/22 coupled to each of the first and second shrouds so as to form inner and outer plenums, each inner plenum defined between at least the junction and the substantially flat inner plate, the outer plenum defined between at least the substantially flat inner plate and the outer plate, wherein each inner plenum is in fluid communication with a respective outer plenum through at least one of the cooling passages in the respective shroud, whereby inner and outer plenums and coolant passages direct coolant flow throughout the vane including coolant flow within the plenums generally transverse to the elongated direction of the airfoil. The outer plates include at least one integral attachment. A first coolant supply duct extends between the outer plate and a respective inner plate allowing externally supplied coolant to enter the inner plenum of one of the shroud and at least one of the cooling passageways in the airfoil. A second coolant supply duct extending between the other inner plate and the airfoil allowing coolant entering the cooling passageway in the airfoil from the first duct to pass into the outer plenum of the other shroud. The assembly further comprises an exit channel 12extending between the airfoil and the flat inner plate and the outer plate including an opening such that coolant can exit the assembly.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

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Claims 5 and 6 are rejected under 35 U.S.C. 103(a) as being unpatentable over Tomita et al. Tomita et al. disclose all of the claimed subject matter, except for the method in which the inner plates and outer plates are coupled to the shroud.

Since applicant has not disclosed that having the inner and outer plates welded or brazed to the shroud solves any stated problem or is for any particular purpose above the fact that the plates would be coupled to the shroud and it appears that the plates of Tomita et al. would perform equally well being coupled to the shroud using the method as claimed by applicant, it would have been an obvious matter of design choice to modify the plates of Tomita et al. by utilizing the coupling method as claimed for the purpose of attaching the plates to the shroud

CONCLUSION

Allowable Subject Matter

Claims 14-18 are allowed.

Claims 3 and 7-10 objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claims 19 and 20 would be allowable if rewritten to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action and to include all of the limitations of the base claim and any intervening claims.

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Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dwayne J White whose telephone number is (571) 272-4825. The examiner can normally be reached on 7:30 am to 5 pm T-F and alternate Mondays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward Look can be reached on (571) 272-4820. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

> Dwayne J. White Patent Examiner

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DJW

EDWARD K. LOOK SUPERVISORY PATENT EXAMINER TECHNOLOGY CENTER 3700

12/27/04